

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- [X] original
[] divisional
[] continuation
[] continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"COMPUTER INTEGRATED MANUFACTURING TECHNIQUES"

SPECIFICATION IDENTIFICATION

The specification of which:

- [] is attached hereto
[X] was filed on 7/29/99, under Serial No. 09/323 966, executed on even date herewith; or
[] Express Mail No. _____ as Serial No. not yet known)
and was amended on _____ (if applicable)
[] was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- [] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter

having a filing date before that of the application(s) of which priority is claimed.

- No such applications have been filed.
 Such applications have been filed as follows:

- A. Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. § 119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			[] Yes [] No
			[] Yes [] No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- No such applications have been filed
 Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented Pending</u>
		<u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Joseph Bach	Registration No. 37,771
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Albert J. Dalhuisen	Registration No. 36,117

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061
Legal Affairs Dept.
Applied Materials, Inc.
3050 Bowers Avenue
Santa Clara, CA 95054.

Albert J. Dalhuisen
(408) 773-0435

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: John F. Arackaparambil

Inventor's signature:  Date: 8/16/99
Residence: 628 Chestnut St., Apt. "L"
San Carlos, CA 94010
U.S.A. Country of Citizenship: India

Full name of second inventor: Tom Chi

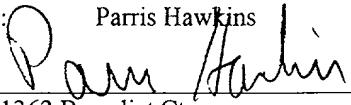
Inventor's signature: Yvonne Tan Chen Date: 8/16/99
Residence: 1023 S. Blaney Avenue,
San Jose, CA
U.S.A. Country of Citizenship: USA

Full name of third inventor: Billy Chow

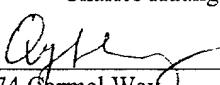
Inventor's signature: *Bog C* Date: 8/16/89
Residence: 75 Oak Hollow Way,
Menlo Park, CA 94025
U.S.A. Country of Citizenship: USA

Full name of fourth inventor: Patrick M. D'Souza

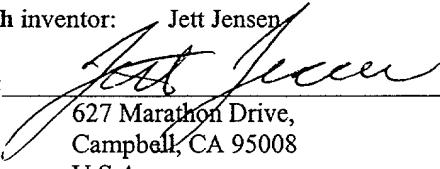
Inventor's signature: Patrick D'Souza Date: 8/16/1999
Residence: 302 Easy St., #95
Mountain View, CA 94043
U.S.A. Country of Citizenship: India

Full name of fifth inventor: Parris Hawkins
Inventor's signature: 
Residence: 1362 Benedict Ct.
Pleasanton, CA 94566
U.S.A. Country of Citizenship: USA

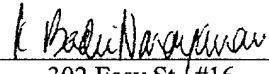
Date: 8/16/99

Full name of sixth inventor: Charles Huang
Inventor's signature: 
Residence: 5874 Carmel Way
Union City, CA 94587
U.S.A. Country of Citizenship: Canada

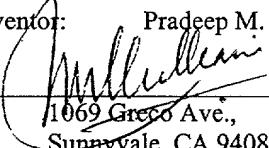
Date: 8/16/99

Full name of seventh inventor: Jett Jensen
Inventor's signature: 
Residence: 627 Marathon Drive,
Campbell, CA 95008
U.S.A. Country of Citizenship: USA

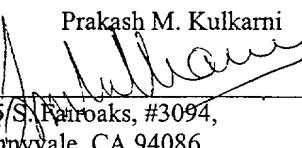
Date: 8/16/99

Full name of eighth inventor: Badri N. Krishnamurthy
Inventor's signature: 
Residence: 302 Easy St., #16,
Mountain View, CA 94043
U.S.A. Country of Citizenship: India

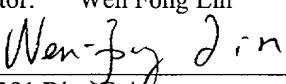
Date: 8/16/99

Full name of ninth inventor: Pradeep M. Kulkarni
Inventor's signature: 
Residence: 1069 Greco Ave.,
Sunnyvale, CA 94087
U.S.A. Country of Citizenship: India

Date: 8/16/99

Full name of tenth inventor: Prakash M. Kulkarni
Inventor's signature: 
Residence: 655 S. Fair Oaks, #3094,
Sunnyvale, CA 94086
U.S.A. Country of Citizenship: India

Date: 8/16/99

Full name of eleventh inventor: Wen Fong Lin
Inventor's signature: 
Residence: 1381 Bing Drive
San Jose, CA 95129
U.S.A. Country of Citizenship: USA

Date: 8/16/99

Full name of twelfth inventor: Shantha Mohan

Inventor's signature: R Shantha Date: 8/16/99
Residence: 261 Parkside Drive,
Palo Alto, CA 94306
U.S.A.

Country of Citizenship: USA

Full name of thirteenth inventor: Bishnu Nandy

Inventor's signature: Bishnu P Nandy Date: 8/16/99
Residence: 31381 Cape View Dr.,
Union City, CA 94587
U.S.A.

Country of Citizenship: India

Full name of fourteenth inventor: Huey-Shin Yuan

Inventor's signature: Huey-Shin Yuan Date: 8/16/99
Residence: 10319 McKlinton Lane,
Cupertino, CA 95014
U.S.A.

Country of Citizenship: USA

(Declaration ends with this page)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

For Applicant: ARACKAPARAMBIL et al.

Examiner: Unknown

Serial No.: 09/363,966

Group Art Unit: 2786

Filed: 07/29/1999

Docket: 4066
107262.152

Confirmation Number: 8777

Title: COMPUTER INTEGRATED MANUFACTURING TECHNIQUES

APPOINTMENT OF ASSOCIATE REPRESENTATIVEAssistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned attorney of record in the above-identified patent application hereby appoints:

Scott Alter
Registration 32,879
Hale & Dorr
1455 Pennsylvania Avenue
Suite 1000
Washington, DC 20004

Anthony Kahng
Registration 42,704
Hale & Dorr
1455 Pennsylvania Avenue
Suite 1000
Washington, DC 20004

to act as his associate attorney, and empowers the associate attorney to receive all correspondence from the U.S. Patent and Trademark Office, to prosecute the application, and ratifies any act done by the associate of the application or any related application thereto.

Respectfully submitted,

Dated: Dec -21-01

Joseph Bach
Attorney for Applicant
Registration No. 37,771

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	John F. Arackaparambil 628 Chestnut St. Apt. "L" San Carlos, CA 94010	2)	Tom Chi 1023 S. Blaney Avenue San Jose, CA
3)	Billy Chow 75 Oak Hollow Way, Menlo Park, CA 94025	4)	Patrick M. D'Souza 302 Easy St., #95 Mountain View, CA 94043
5)	Parris Hawkins 1362 Benedict Ct. Pleasanton, CA 94566	6)	Charles Huang 5874 Carmel Way, Union City, CA 94587
7)	Jett Jensen 627 Marathon Drive Campbell, CA 95008	8)	Badri N. Krishnamurthy 302 Easy St., #16, Mountain View, CA 94043
9)	Pradeep M. Kulkarni 1069 Greco Ave., Sunnyvale, CA 94087	10)	Prakash M. Kulkarni 655 S. Fairoaks, #3094 Sunnyvale, CA 94086
11)	Wen Fong Lin 1381 Bing Drive, San Jose, CA 95129	12)	Shantha Mohan 261 Parkside Drive Palo Alto, CA 94306
13)	Bishnu Nandy 31381 Cape View Dr., Union City, CA 94587	14)	Huey-Shin Yuan 10319 McKlinton Lane Cupertino, CA 95014

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"COMPUTER INTEGRATED MANUFACTURING TECHNIQUES"

for which application for Letters Patent in the United States was filed herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as the Application), and the invention disclosed therein (hereinafter referred to as the Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as the Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

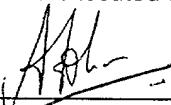
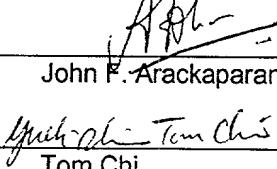
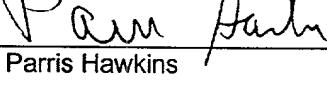
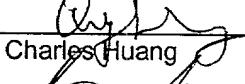
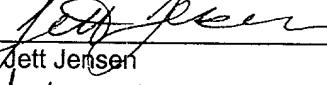
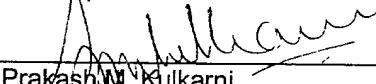
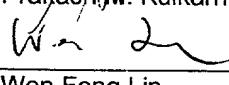
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

- | | | |
|-----|-----------------------|--|
| 1) | <u>8/16/</u> , 1999 | 
John P. Arackaparambil |
| 2) | <u>8/16</u> , 1999 | 
Tom Chi |
| 3) | <u>Aug 16</u> , 1999 | 
Billy Chow |
| 4) | <u>8/16/</u> , 1999 | 
Patrick M. D'Souza |
| 5) | <u>8/16</u> , 1999 | 
Parris Hawkins |
| 6) | <u>8/16</u> , 1999 | 
Charles Huang |
| 7) | <u>8/16/99</u> , 1999 | 
Jeff Jensen |
| 8) | <u>8/16/99</u> , 1999 | 
Badri N. Krishnamurthy |
| 9) | <u>8/16/</u> , 1999 | 
Pradeep M. Kulkarni |
| 10) | <u>8/16/99</u> , 1999 | 
Prakash M. Kulkarni |
| 11) | <u>8/16</u> , 1999 | 
Wen Fong Lin |

- 12) 8/20/99, 1999 *S. Shantha*
Shantha Mohan
- 13) 8/16/99, 1999 *Bishnu P Nandy*
Bishnu Nandy
- 14) 8/16/99, 1999 *Huey-Shin Yuan*